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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/679,172

10/06/2003

Young Ill Choi

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02/17/2005

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EXAMINER

MULLEN, THOMAS J

ART UNIT

PAPER NUMBER

2632

DATE MAILED: 02/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/679,172

Applicant(s)

CHOI, YOUNG ILL *CK*

Examiner

Thomas J. Mullen, Jr.

Art Unit

2632

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 and 2 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1 and 2 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06 October 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

Art Unit: 2632

1. The drawings are objected to because

(i) in Fig. 3, block S3, it appears that "Comes with" should be simply --and--;

(ii) in Fig. 3, block S4, it appears that "Punctuate" should be --Puncture-- and that "Alam" should be --Alarm--;

(iii) in Fig. 3, last block, "Disable to Drive" is vague; and

(iv) they fail to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: 22 (Fig. 6).

Corrected drawing sheets in compliance with 37 CFR 1.121(d), and/or appropriate amendment to the specification, are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

2. The disclosure is objected to because of the following informalities:

page 2, line 15, a comma should be inserted after "stop", to improve the readability of the associated sentence;

page 3, line 1, "ARTS" should be --ART--;

page 3, last line, it appears that "may locate" should be --may be located--;

page 4, line 12, it appears that after "number" should be inserted --of--;

page 4, line 19, "DESCRIPTION" should be --DESCRIPTION--;

page 4, line 20, the Brief Description of Fig. 1 is vague in that the overall system or method appears to be shown, rather than merely a "mechanism", and it appears that "stopping" should simply be deleted;

page 4, line 27, it appears that "bullet" should be --bullets--;

Art Unit: 2632

page 5, line 4, "DERCRIPTION" should be --DESCRIPTION--;

page 6, line 2, it appears that "secrete" should be --secret--;

page 6, line 5, it appears that "bullet" (first occurrence) should be --bullets--;

page 6, lines 5-6, "(t)wo sets of one bullet...in a short barrel" is vague as to whether there are one, or two, bullets 11 per barrel 12 (or conversely, whether there are one, or two, barrels 12 per rear tire 10);

page 6, line 13, it appears that "set of" should simply be deleted; and

page 6, line 21, it appears that "recovering" should be a term such as --repairing--.

Appropriate correction is required.

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-2 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The preamble of each of claims 1 and 2, i.e. "A disabling method and system...", renders each claim indefinite as to which "statutory class" of subject matter--an apparatus, or a method--is being recited. Ex parte Lyell, 17 USPQ2d 1548.

In each of claims 1 and 2, "the order of the main computer" (e.g. on lines 3-4 in claim 1) is indefinite because, (i) "the main computer" lacks antecedent basis, and (ii) it is unclear what is meant by "the order" of the main computer.

In each of claims 1 and 2, "puncturing rear tires" is indefinite as to this refers to tires that are actually in use on the rear wheels of the vehicle, or to some other tires (e.g. a spare tire mounted in the rear of the vehicle).

In claim 1, lines 4-5, "...which is connected to an electric trigger line" is vague as to what element is so "connected" (note that terms "tires", "sets", and "bullets", all on line 4, are plural terms which are inconsistent with the phrase "is connected").

Likewise, in claim 1, line 6, it is unclear which element(s) correspond to the phrase "in a short barrel".

Art Unit: 2632

In claim 1, line 7, "another two sets of bullets in a short barrel" is unclear as to whether both "sets" of bullets are situated in the same "short barrel", or if each "set" of bullets has its own "short barrel".

At the end of each of claims 1 and 2, it is unclear whether "dialing the number of a pager...with (a) conventional telephone" serves to initiate or trigger only the "alarm activation" step (i.e. step "3)" in the claim), or does it serve to initiate or trigger all of steps "1)" through "3)" in the claim.

In claim 2, lines 6-7, it is unclear which element(s) is/are "installed at the inside of (one) rear wheel cover".

In claim 2, line 7, it is unclear what is meant by "another set of hook blade".

In claim 2, line 8, it is unclear what is meant by "of opposite site".

In claim 2, line 9, "the other side of the hook blade" is indefinite since there is no prior recitation of a "first side" (or "one side") of the hook blade.

In claim 2, line 11, "of FIG. 4." is an inappropriate reference to the disclosure and should be deleted; put another way, it is unclear if "the main computer (6) of FIG. 4." on lines 10-11 refers to the same element as "the main computer" on line 3.

4. Claims 1-2 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Tompkins (US 5432495) and Xiao (US 6028506) were discussed in applicant's specification. Rosenstein (US 3661115), Fauci et al (US 5942971) and Iu (US 5815822) are cited to further show the state of the art.

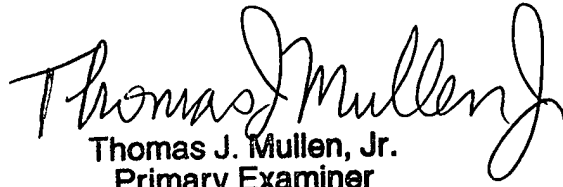
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas J. Mullen, Jr. whose telephone number is 571-272-2965. The examiner can normally be reached on Monday-Thursday from 6:30 AM to 4 PM. The examiner can also be reached on alternate Fridays.

Art Unit: 2632

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel Wu, can be reached on (571) 272-2964. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-2600.

TJM


Thomas J. Mullen, Jr.
Primary Examiner
Art Unit 2632